

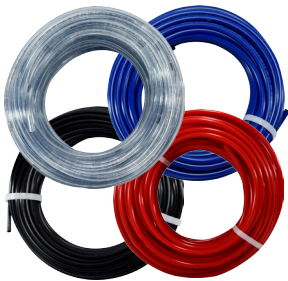
TUBING

TUBING

TUBING



POLYURETHANE



POLYETHYLENE

Sold individually boxed



Natural, Black, Blue, Green, Red, Yellow, Orange

NYLON

Sold individually boxed



PVC

• Clear

Sold individually boxed



COPPER AND ALUMINUM

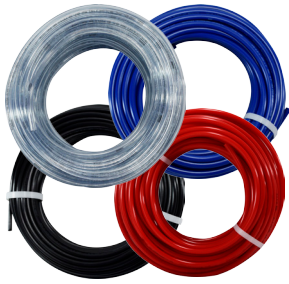


TYPE L AND REFRIGERATION



ALUMINUM



**POLYURETHANE NSF 51®**

NSF 51® polyurethane (PUR) Shore A 98 tubing is made from the highest quality raw materials available. It is etherbased to provide excellent hydrolysis, oil and cold resistance. Polyurethane NSF 51® is strong and flexible and offers superior kink resistance compared to other tubing. It is 5 to 10 times more wear resistant and lighter in weight than any rubber hose.

Polyurethane NSF 51® tubing has an outside diameter made to extremely tight tolerances. It is ideal for use with push-to-connect fittings, as well as barb-type and compression fittings for simple installation.

**Features**

- Strong
- Lightweight
- Flexible
- Abrasion Resistant
- Heat & Cold Resistant
- Chemical Resistant
- Kink Resistant
- NSF 51® Certified
- Meets NSF 61® Requirements

**Specifications**

Temperature Range: -40°F to +160°F  
 Hardness: Shore A 98  
 Vacuum Rating:  
 To 28" Hg  
 Tolerances:  
 1/8"-1/2" O.D. +/- .005  
 9/16"-3/4" O.D. +/- .006  
 RoHS Compliant

**Applications**

Pneumatic Tools      Lube Lines  
 Pneumatic Piping      Painting Systems  
 Vacuum      Food & Beverages  
 Laboratories  
 Robotics  
 Motion Control  
 Instrumentation  
 Agriculture

**100' FOOT LENGTHS****CLEAR**

Part #	O.D. (IN)	I.D. (IN)	Wall Thickness (IN)	Bend Radius (IN)	W.P. @70°F (PSI)	W.P. @150°F (PSI)	3:1 Burst Pressure	Package Weight (lbs)	List Price
973-341	4mm, 5/32	.093	.031	.250	200	85	600	.70	49.36
973-343	.250	.156	.047	.476	180	70	540	1.50	66.66
973-345	.375	.250	.063	1.000	150	70	450	3.40	136.02
973-346	.500	.328	.086	1.102	150	70	450	5.60	260.94

**BLACK**

Part #	O.D. (IN)	I.D. (IN)	Wall Thickness (IN)	Bend Radius (IN)	W.P. @70°F (PSI)	W.P. @150°F (PSI)	3:1 Burst Pressure	Package Weight (lbs)	List Price
73-341B	4mm, 5/32	.093	.031	.250	200	85	600	.70	37.50
73-343B	.250	.156	.047	.476	180	70	540	1.50	66.66
73-345B	.375	.250	.063	1.000	150	70	450	3.40	136.02
73-346B	.500	.328	.086	1.102	150	70	450	5.60	260.94

**BLUE**

Part #	O.D. (IN)	I.D. (IN)	Wall Thickness (IN)	Bend Radius (IN)	W.P. @70°F (PSI)	W.P. @150°F (PSI)	3:1 Burst Pressure	Package Weight (lbs)	List Price
73-341U	4mm, 5/32	.093	.031	.250	200	85	600	.70	37.50
73-343U	.250	.156	.047	.476	180	70	540	1.50	66.66
73-345U	.375	.250	.063	1.000	150	70	450	3.40	136.02
73-346U	.500	.328	.086	1.102	150	70	450	5.60	260.94

**RED**

Part #	O.D. (IN)	I.D. (IN)	Wall Thickness (IN)	Bend Radius (IN)	W.P. @70°F (PSI)	W.P. @150°F (PSI)	3:1 Burst Pressure	Package Weight (lbs)	List Price
73-341R	4mm, 5/32	.093	.031	.250	200	85	600	.70	37.50
73-343R	.250	.156	.047	.476	180	70	540	1.50	66.66
73-345R	.375	.250	.063	1.000	150	70	450	3.40	136.02
73-346R	.562	.375	.093	1.142	140	60	420	5.60	260.94

**OD Sizes Available**

.125, .187, 1/4(1/8), 8mm(5/16)  
 .562, .625 and .750

Other sizes, Lengths and  
 Colors available

- Available in longer lengths upon request
- Other colors available

## LINEAR LOW DENSITY POLYETHYLENE TUBING (LLDPE)

### Features

- Chemically Inert
- Chemical Resistant
- Lightweight & Flexible
- Good Dielectric Properties
- Impermeable to Gases
- Meets FDA Requirements
- Multiple Colors Available
- Vacuum rating to 28" Hg

Polyethylene is made from 100% non-toxic ingredients. It's inert nature and FDA compliant status makes it perfect for food, water and beverage piping. It is ideal for use in pneumatic, drain piping, lab use and chemical transfer applications which require an inexpensive tubing.

Polyethylene is highly-resistant to stress cracking from chemicals, aging and ultraviolet exposure. For use with barb-type, push-to-connect or compression-style fittings.

### Specifications

Temperature Range: -50°F to +140°F

Hardness: Shore A 93A

Shore D 45D

### Applications

Food & Beverage      Process Control  
Pneumatic Tools      Laboratories  
Pneumatic Piping  
Electrical Jacketing  
Drain Lines  
Instrumentation  
Chemical Transfer



100' LENGTH



500' LENGTH



1000' LENGTH

### 100' LENGTH - Natural

Part #	Tube O.D.	Tube ID	Tube Wall	Working Pressure	List Price
973-200	1/8"	0.08	0.022	250	23.54
973-201	4mm/5/32"	0.106	0.025	180	24.40
973-203	1/4"	0.17	0.040	150	22.81
973-204	1/4"	0.125	0.0625	350	30.50
973-205	8mm/5/16"	0.236	0.038	150	43.25
973-206	3/8"	0.25	0.0625	150	49.87
973-207	1/2"	0.375	0.0625	125	62.78
973-208	5/8"	0.50	0.0625	100	140.58
973-211	3/4"	0.625	0.0625	100	204.24
973-210	1"	0.75	0.125	150	388.60

### 500' LENGTH

Part #	Tube O.D.	Tube ID	Tube Wall	Working Pressure	List Price
73-200N5	1/8"	0.085	0.020	250	103.17
73-203N5	1/4"	0.17	0.040	150	137.47
73-204N5	1/4"	0.125	0.0625	350	148.45
73-206N5	3/8"	0.25	0.0625	150	244.62
73-207N5	1/2"	0.375	0.0625	125	308.89

### 1000' LENGTH

Part #	Tube O.D.	Tube ID	Tube Wall	Working Pressure	List Price
73-203N1	1/4"	0.17	0.040	150	218.11
73-206N1	3/8"	0.25	0.0625	150	428.64



## LLDPE POLYETHYLENE TUBING - COLORS



## BLACK

- 100'
- 500'
- 1000'

Part #	Color	Length	Nominal O.D.	List Price
73-200B	Black	100'	1/8"	23.54
73-201B	Black	100'	5/32"	26.87
73-203B	Black	100'	1/4"	27.81
73-204B	Black	100'	1/4"	28.50
73-205B	Black	100'	5/16"	43.25
73-206B	Black	100'	3/8"	47.54
73-207B	Black	100'	1/2"	64.45
73-208B	Black	100'	5/8"	117.19
73-203B5	Black	500'	1/4"	131.51
73-205B5	Black	500'	5/16"	187.98
73-206B5	Black	500'	3/8"	225.35
73-207B5	Black	500'	1/2"	308.89
73-203B1	Black	1000'	1/4"	428.64
73-206B1	Black	1000'	3/8"	428.64



## GREEN

- 100'
- 500'
- 1000'

Part #	Color	Length	Nominal O.D.	List Price
73-201G	Green	100'	5/32"	26.87
73-203G	Green	100'	1/4"	28.35
73-204G	Green	100'	1/4"	28.50
73-205G	Green	100'	5/16"	43.25
73-206G	Green	100'	3/8"	47.54
73-207G	Green	100'	1/2"	64.45
73-203G5	Green	500'	1/4"	111.96
73-203G1	Green	1000'	1/4"	218.11



## WHITE

- 100'
- 500'

Part #	Color	Length	Nominal O.D.	List Price
73-203W	White	100'	1/4"	27.81
73-206W	White	100'	3/8"	47.54
73-207W	White	100'	1/2"	68.16
73-207W5	White	500'	1/2"	308.89



## BLUE

- 100'
- 500'
- 1000'

Part #	Color	Length	Nominal O.D.	List Price
73-200U	Blue	100'	1/8"	23.54
73-201U	Blue	100'	5/32"	26.87
73-203U	Blue	100'	1/4"	27.81
73-204U	Blue	100'	1/4"	28.50
73-205U	Blue	100'	5/16"	43.25
73-206U	Blue	100'	3/8"	49.95
73-207U	Blue	100'	1/2"	64.45
73-203U5	Blue	500'	1/4"	111.96
73-206U5	Blue	500'	3/8"	225.35
73-203U1	Blue	1000'	1/4"	218.11



## RED

- 100'
- 500'
- 1000'

Part #	Color	Length	Nominal O.D.	List Price
73-203R	Red	100'	1/4"	27.81
73-205R	Red	100'	5/16"	43.25
73-206R	Red	100'	3/8"	47.54
73-207R	Red	100'	1/2"	62.07
73-203R5	Red	500'	1/4"	123.87
73-206R5	Red	500'	3/8"	225.35
73-203R1	Red	1000'	1/4"	218.11



## YELLOW

- 100'

Part #	Color	Length	Nominal O.D.	List Price
73-203Y	Yellow	100'	1/4"	27.81
73-204Y	Yellow	100'	1/4"	28.50
73-205Y	Yellow	100'	5/16"	43.25
73-206Y	Yellow	100'	3/8"	47.54
73-207Y	Yellow	100'	1/2"	64.45



## ORANGE

Part #	Color	Length	Nominal O.D.	List Price
73-203O	Orange	100'	1/4"	27.01

**NYLON****TUBING****NYLON 12 TUBING**

Nylon 12 tubing is recognized as an industry standard for applications which require higher working pressures and higher heat and/or chemical resistance. It is ideal for outdoor use applications because of its superior stress crack resistance. Nylon 12 is strong, lightweight and has a very low moisture absorption rate compared to other nylons. By not absorbing moisture, Nylon 12 remains more flexible, which in turn extends its service life. Nylon 12 tubing can be used with standard push-to-connect fittings and compression fittings for simple installation.

Because of its semi-rigid properties, a thinner tube wall provides higher flow rates and working pressure.

**Features**

- Strong
- Lightweight
- Flexible
- Abrasion Resistant
- Heat Resistant
- Chemical Resistant
- Heat/ Light Stabilized
- Black - UV Rated

**Specifications**

Temperature Range: -60°F to +200°F  
 Hardness: Rockwell 78 R  
 Shore D 70  
 Vacuum Rating: To 28" Hg  
 Higher Flow Rates & Working Pressure  
 Tolerances: 1/8"-1/4" +/- .004  
 3/4"-1 1/2" +/- .006

**Applications**

Pneumatic Tools      Chemical Transfer  
 Pneumatic Piping      Vacuum  
 Instrumentation      Process Control  
 Lube Lines      Fuel Lines  
 Coolants      Paint Supply Lines  
 Refrigeration      Laboratories

**Part #'s shown are for natural. 500' and 1000' reels available on request.**



100' LENGTH



BLACK TUBING &amp; MISC.



METRIC LENGTH

**100' LENGTH**

Part #	Tube O.D.	Tube ID	Tube Wall	Working Pressure	List Price
973-230	1/8"	0.08	.022	420	50.70
973-231	5/32"	0.106	.025	350	66.87
973-232	1/4"	0.18	.035	290	112.50
973-238	1/4"	0.15	.05	800	134.34
973-233	3/8"	0.275	.050	250	242.40
973-234	1/2"	0.375	.062	240	400.33

**BLACK TUBING & MISC.**

Part #	O.D.	Tube ID	Wall	Working Pressure	List Price
73-230B	1/8	0.08	0.022	420	54.67
73-231B	5/32	0.106	0.025	350	66.84
73-232B	1/4	0.18	0.035	290	112.51
73-238B	1/4	0.15	0.05	800	131.25
73-233B	3/8	0.275	0.05	250	242.40
73-232N5*	1/4	0.18	0.035	290	479.30
73-238U**	1/4	0.15	0.075	800	112.51

• 500' Natural    \*\*Blue

\*METRIC LENGTH - 100 ft. coils    • available in natural color only

Part #	MM O.D.	MM I.D.	MM Wall	Working Pressure	List Price
973-323	4	2.7	0.65	350	66.84
973-326	6	3.5	1.25	350	111.49
973-325	6	4	1	340	143.88
973-327	8	6	1	250	202.44
973-329	10	8	1	225	234.62
973-332	12	10	1	200	393.30
973-334	14	11	1.5	175	648.36



### PVC POLYVINYLCHLORIDE TUBING - NSF61

PVC is suited for general, low-pressure, industrial applications for the conveyance of liquids and solids of suitable granular size. Made from a PVC compound that complies with FDA regulations. Although it is primarily intended for applications where pressure is not essential, it will withstand the pressures shown.

The clear PVC Tubing provides good chemical resistance, is lightweight, flexible and economically priced.

#### Features

- Lightweight
- Flexible
- Food Grade
- Clear Color/ Blue tint

#### Specifications

Temperature Range: +25°F to +150°F  
 Hardness: Shore A 75 PVC  
 Meets FDA requirements  
 NSF 61 Certified  
 USP Class VI rated materials  
 RoHS Compliant

#### Applications

Beverage Dispensing      Distilled Water Transfer  
 Drain Tubing              Light Vacuum  
 Potable Water            Wire Harness  
 Laboratory Tubing        3:1 Burst Pressure  
 Wine Transfer  
 Low Pressure Air Line

**Colors Available: Clear**

**Package Lengths: 100'**

#### 100' LENGTH

Part #	Tube I.D.	Tube O.D.	Tube Wall	Working Pressure	List Price
973-224	1/8 (.125)	1/4 (.25)	1/16 (.032)	50	53.76
973-223	3/16 (.187)	5/16 (.313)	1/16 (.062)	55	41.14
973-215	1/4 (.25)	3/8 (.375)	1/16 (.062)	55	56.56
973-252	5/16 (.312)	7/16 (.438)	1/16 (.062)	50	68.79
973-253	5/16 (.312)	1/2 (.500)	3/32 (.094)	55	93.23
973-216	3/8 (.375)	1/2 (.500)	1/16 (.062)	45	72.85
973-255	3/8 (.375)	5/8 (.625)	1/8 (.125)	55	169.53
973-262	3/8 (.375)	9/16 (.563)	3/32 (.094)	50	147.88
973-217	1/2 (.500)	5/8 (.625)	1/16 (.062)	30	139.64
973-219	3/4 (.750)	1 (1.00)	1/8 (.125)	35	248.89
973-221	1 (1.00)	1-1/4 (1.25)	1/8 (.125)	25	373.97

### TUBING ACCESSORIES

#### MINI-TUBING CUTTER

- Great for tight places



Part #	Size	List Price
990-571	3mm-22mm (1/8"-7/8")	6.38

#### TUBING CUTTER



Part #	Size	List Price
990-570	1/8"-1-1/8"	12.04

#### PLASTIC TUBE CUTTER

Range: 1/8" - 3/8" I.D. (3mm-10mm)



Part #	Description	List Price
91-707	Cutter w/Blade	9.77

#### MOUNTING RACKS



- Route and secure multiple tubing lines
- Mounting versatility
  - Racks can be easily hand separated down to single holders.
  - Thru holes provided (all sizes)
- Standard color is BLACK.  
 Other colors available on special request.

**NOTE: MOUNTING SCREWS NOT PROVIDED**

Part #	Tubing OD	Description	Channels	List Price
28-988	1/4	non-adhesive	10	3.91
28-989	1/4	adhesive	10	4.33
28-990	3/8	non-adhesive	7	13.99
28-991	1/2	non-adhesive	5	16.60

## ALUMINUM &amp; COPPER

## TUBING

## ALUMINUM TUBING - EASY BEND

Alloy  
3003-0  
ASTM  
B-483



Material  
to ASTM  
B-483

900 PSI max  
3700 Burst PSI

Bend this tubing into the shape you need without special tools or elbow fittings. It is also known as Alloy 3003. Tubing has seamless construction, which provides a smooth interior and allows it to be flared without splitting. Use with water, air, alcohol and oil. Tubing meets ASTM B483 and has a soft (annealed) temper. OD tolerance is  $\pm 0.004$ "

## ALUMINUM VERSATUBE 50' COILS

Part #	O.D.	Wall Thick	ID	Max PSI @ 100°F	Case	50' Coils
972-190	1/8	.025	.075"	2,300	10 coils	45.11
972-191	3/16	.028	.132"	1,600	10 coils	57.93
972-192	1/4	.032	.186"	1,400	10 coils	53.39
972-193	5/16	.035	.243"	1,200	10 coils	75.14
972-194	3/8	.035	.305"	1,000	10 coils	81.54
972-195	1/2	.035	.43"	740	10 coils	121.70

## COPPER TUBING - REFRIGERATION TUBING

ASTMB280



- Temp range: 32° to 400°F
- Bend with a bending tool
- Use with copper solder-connect fittings

This copper Alloy 122 tube comes cleaned and capped to prevent moisture and dirt from contaminating the inside. It's often called refrigeration and air conditioning tubing. Use with water, natural gas, oil and R22 refrigerant. Tubing meets ASTM B280. It has seamless construction, which provides a smooth interior. Tubing has a soft (annealed) temper.

## REFRIGERATION COPPER TUBE 50' COILS

Part #	Tube Size	OD	Wall	ID	Max PSI @ 100°F	Weight per 50' Coil	50' Coils
972-180	-	1/8	.030	.065"	3,000	1.74	POR
972-181	-	3/16	.030	.128"	1,900	2.88	POR
972-182	1/8	1/4	.030	.19"	1,400	4.02	POR
972-183	-	5/16	.032	.248"	1,100	5.45	POR
972-184	1/4	3/8	.032	.311"	980	6.70	POR
972-185	3/8	1/2	.032	.436"	720	9.10	POR
972-186	1/2	5/8	.035	.555"	610	12.55	POR
972-187	5/8	3/4	.035	.68"	510	15.25	POR

## COPPER TUBING - DRINKING WATER

For residential water lines



- Temp range: 32° to 180°F
- Bend with a bending tool
- Use with copper solder-connect fittings

NSF 61 certified for drinking (potable) water, this copper Alloy 122 tubing is also called type L. Tubing meets ASTM B88. It has seamless construction, which provides a smooth interior. Coils - Have a soft (annealed) temper.

• Water service • Natural, liquified and petroleum gases • Fire protection • Solar • Fuel/ Fuel oil • HVAC • Snow melting - Air Brake

## TYPE L SOFT COPPER TUBING 60' COILS

Part #	TUBE SIZE	OD	WALL	ID	Max PSI @ 100°F	Weight per 60' Coil	60' Coils
972-171	1/4	3/8"	.03"	.315"	910	7.56	POR
972-172	3/8	1/2	.035"	.43"	770	11.88	POR
972-173	1/2	5/8"	.04"	.545"	720	17.10	POR